

# PATENT ABSTRACTS OF JAPAN

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## (54) INK FOR INK JET RECORDING AND RECORDING USING THE SAME

### (57)Abstract:

PROBLEM TO BE SOLVED: To obtain the subject ink capable of providing good image quality free from lack and unevenness of image because of stable dispersibility of ink and developing excellent quick-drying property and fixing property to various transfer papers by adding a specific polyhydric alcohol-based compound to ink.

SOLUTION: This ink comprises (A) a coloring material insoluble in water (e.g. pigment having 10-150nm primary particle diameter and 20-500nm volume average particle diameter in ink), (B) water and (C) a polyhydric alcohol-based compound selected from a compound of the formula [R is H or a 1-5C alkyl; (m), (n), (o) and (p) are each an integer and  $0 \leq (m+n+o+p) \leq 200$ ] or polyglycerol (e.g. having 2-30 degree of polymerization). Furthermore, the ink preferably comprises 0.01-20wt.%, preferably 0.05-15wt.% component C.

